

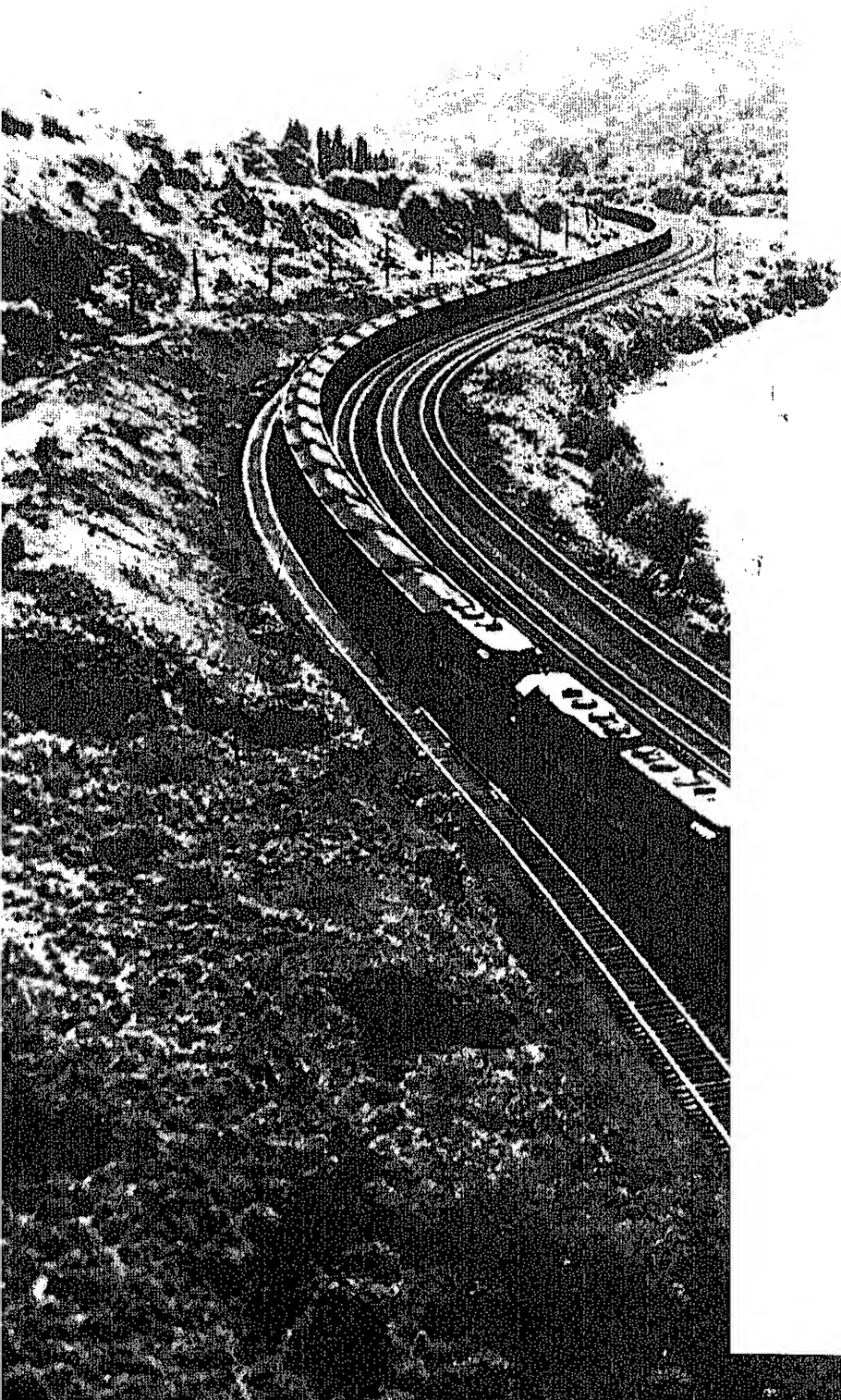




Energy  
Information  
Administration

# Weekly Coal Production

Production for Week Ended:  
April 7, 1990



## Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. The Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origins and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." The coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent.

Final coal production data are published annually, based on the EIA-7A coal production survey. The revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution Report*, the *Quarterly Coal Report*, *Coal Production 1988*, and *Coal Data: A Reference*.

This publication was prepared by Wayne M. Watson and Michelle D. Bowles under the direction of Mary K. Paull and Noel C. Balthasar, Chief, Data Systems Branch. *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at 202/586-8800.*

### Photo Credit:

Eugene R. Slatick, Summary  
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## Summary

U.S. coal production in the week ended April 7, 1990, as estimated by the Energy Information Administration, totaled 19 million short tons, a 7 percent decrease from production in the previous week but slightly higher than the comparable week in 1989. Production East of the Mississippi River totaled 11 million short tons and production West of the Mississippi River totaled 8 million short tons.

Coal production in March 1990 amounted to 91 million short tons. This brought the total coal output in the first quarter of 1990 to an estimated 263 million short tons, the highest level of any quarter. In general, the increase was attributable mostly to the replenishment of stockpiles, mainly at electric utilities.

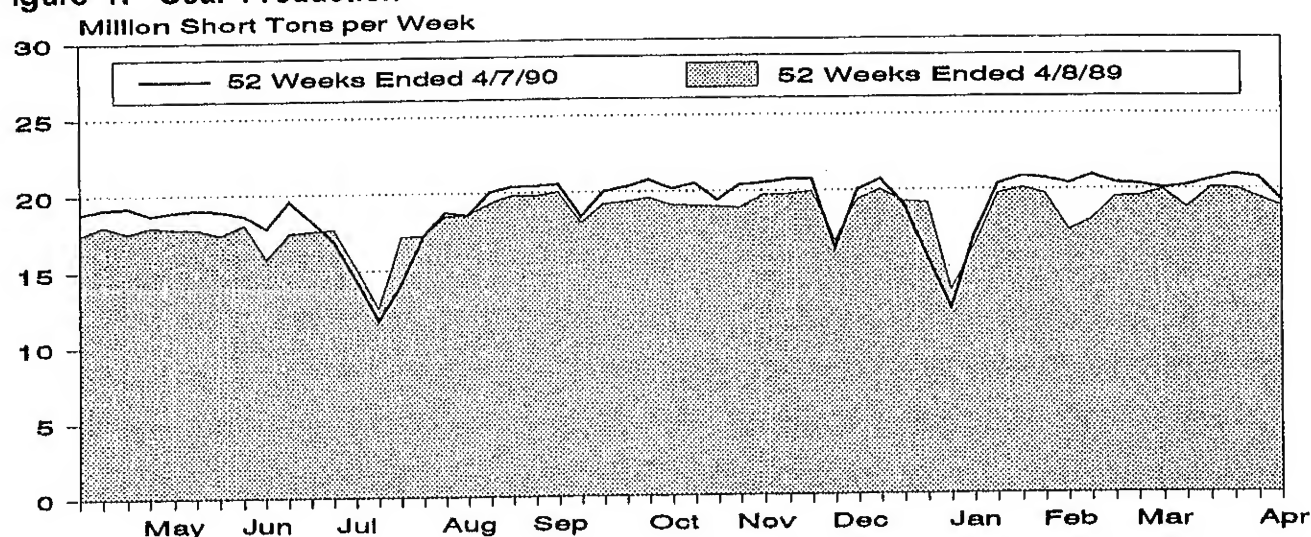
By region, first-quarter coal production in the East was 6 million short tons higher than in 1989. Production in the West was up by 11 million short tons.

Production from Wyoming, the leading coal-producing State, reached 45 million short tons in the first quarter of 1990, which was 4 million short tons more than in the comparable period of 1989. In Kentucky, the coal output was 44 million short tons, more than 3 million short tons higher than in the first quarter of 1989. By contrast, West Virginia's first-quarter coal production of 39 million short tons represented 3 million short tons less than production a year ago. Together, these three States accounted for nearly half of the total U.S. coal output in the first quarter of 1990.

This week's report contains revised State production estimates for the week ended March 31, 1990.



**Figure 1. Coal Production**



**Table 1. Coal Production**

	Week Ended			52 Weeks Ended		Percent Change
Production and Carloadings	04/07/90	03/31/90 <sup>1</sup>	04/08/89	04/07/90	04/08/89	
Production (Thousand Short Tons)						
Bituminous <sup>2</sup> and Lignite . . . . .	19,163	20,619	18,797	986,495	954,934	3.3
Pennsylvania Anthracite . . . . .	60	83	65	3,535	3,671	-3.7
U.S. Total . . . . .	19,223	20,702	18,862	990,031	958,606	3.3
Railroad Cars Loaded . . . . .	125,986	133,120	125,486	6,459,973	6,332,744	

<sup>1</sup>Revised.

<sup>2</sup>Includes subbituminous coal.

Notes: All data are preliminary. Totals may not equal sum of components due to independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

**Table 2. Coal Production by State**  
(Thousand Short Tons)

Region and State	Week Ended		
	4/7/90	3/31/90 <sup>1</sup>	4/8/89
<b>Bituminous Coal<sup>2</sup> and Lignite</b>			
East of the Mississippi . . . . .	11,281	12,533	11,378
Alabama . . . . .	501	603	589
Illinois . . . . .	1,024	1,132	1,244
Indiana . . . . .	935	906	561
Kentucky . . . . .	3,146	3,331	3,065
Kentucky, Eastern . . . . .	2,382	2,535	2,260
Kentucky, Western . . . . .	764	796	805
Maryland . . . . .	56	57	65
Ohio . . . . .	616	719	571
Pennsylvania Bituminous . . . . .	1,181	1,490	1,460
Tennessee . . . . .	119	144	123
Virginia . . . . .	944	1,133	991
West Virginia . . . . .	2,759	3,018	2,708
West of the Mississippi . . . . .	7,882	8,086	7,419
Alaska . . . . .	27	34	24
Arizona . . . . .	251	258	228
Arkansas . . . . .	2	2	2
Colorado . . . . .	387	308	303
Iowa . . . . .	7	8	8
Kansas . . . . .	20	23	19
Louisiana . . . . .	68	46	68
Missouri . . . . .	72	69	57
Montana . . . . .	773	817	722
New Mexico . . . . .	550	628	420
North Dakota . . . . .	610	644	553
Oklahoma . . . . .	36	40	44
Texas . . . . .	1,009	1,091	1,045
Utah . . . . .	435	373	379
Washington . . . . .	91	95	107
Wyoming . . . . .	3,544	3,651	3,442
Bituminous <sup>2</sup> and Lignite Total . . . .	19,163	20,619	18,797
Pennsylvania Anthracite . . . . .	60	83	65
U.S. Total . . . . .	19,223	20,702	18,862

<sup>1</sup>Revised.

<sup>2</sup>Includes subbituminous coal.

Notes: All data are preliminary. Totals may not equal sum of components due to independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.



**Table 3. Coal Production by State: March 1990**  
(Thousand Short Tons)

Region and State	March 1990	February 1990	March 1989	Year to Date		Percent Change
				1990	1989	
Bituminous Coal <sup>1</sup> and Lignite						
East of the Mississippi . . . . .	55,500	49,842	55,640	159,566	153,872	3.7
Alabama . . . . .	2,514	2,292	2,500	7,330	6,872	6.7
Illinois . . . . .	5,072	4,836	5,784	15,323	15,780	-2.9
Indiana . . . . .	4,067	3,549	2,908	11,120	7,745	43.6
Kentucky . . . . .	14,992	13,574	14,346	43,648	40,256	8.4
Kentucky, Eastern . . . . .	11,344	10,334	10,806	32,999	30,321	8.8
Kentucky, Western . . . . .	3,648	3,240	3,540	10,649	9,934	7.2
Maryland . . . . .	260	239	314	772	883	-12.6
Ohio . . . . .	3,107	2,771	3,246	8,914	8,938	-.3
Pennsylvania Bituminous . . . . .	6,426	5,504	6,613	17,489	17,813	-1.8
Tennessee . . . . .	623	551	528	1,768	1,469	20.4
Virginia . . . . .	4,916	4,357	4,420	14,009	12,310	13.8
West Virginia . . . . .	13,523	12,170	14,981	39,193	41,806	-6.2
West of the Mississippi . . . . .	35,559	31,668	33,341	102,886	92,117	11.7
Alaska . . . . .	150	134	136	434	376	15.4
Arizona . . . . .	1,139	1,020	1,033	3,279	2,855	14.8
Arkansas . . . . .	7	6	8	20	22	-12.7
Colorado . . . . .	1,760	1,698	1,500	5,288	4,061	30.2
Iowa . . . . .	36	32	47	104	136	-23.5
Kansas . . . . .	100	90	30	285	114	151.1
Louisiana . . . . .	249	159	239	657	689	-4.7
Missouri . . . . .	302	271	337	873	938	-6.9
Montana . . . . .	3,418	3,049	3,268	9,936	9,050	9.8
New Mexico . . . . .	2,637	2,300	2,072	7,215	5,592	29.0
North Dakota . . . . .	2,697	2,406	2,911	7,894	8,032	-1.7
Oklahoma . . . . .	172	158	150	519	413	25.8
Texas . . . . .	4,812	4,310	4,552	13,932	12,578	10.8
Utah . . . . .	2,045	1,982	1,894	6,214	5,123	21.3
Washington . . . . .	419	376	452	1,211	1,250	-3.1
Wyoming . . . . .	15,614	13,677	14,713	45,023	40,887	10.1
Bituminous <sup>1</sup> and Lignite Total . . . .	91,059	81,510	88,981	262,452	245,989	6.7
Pennsylvania Anthracite . . . . .	334	286	337	927	900	2.9
U.S. Total . . . . .	91,393	81,796	89,318	263,379	246,890	6.7

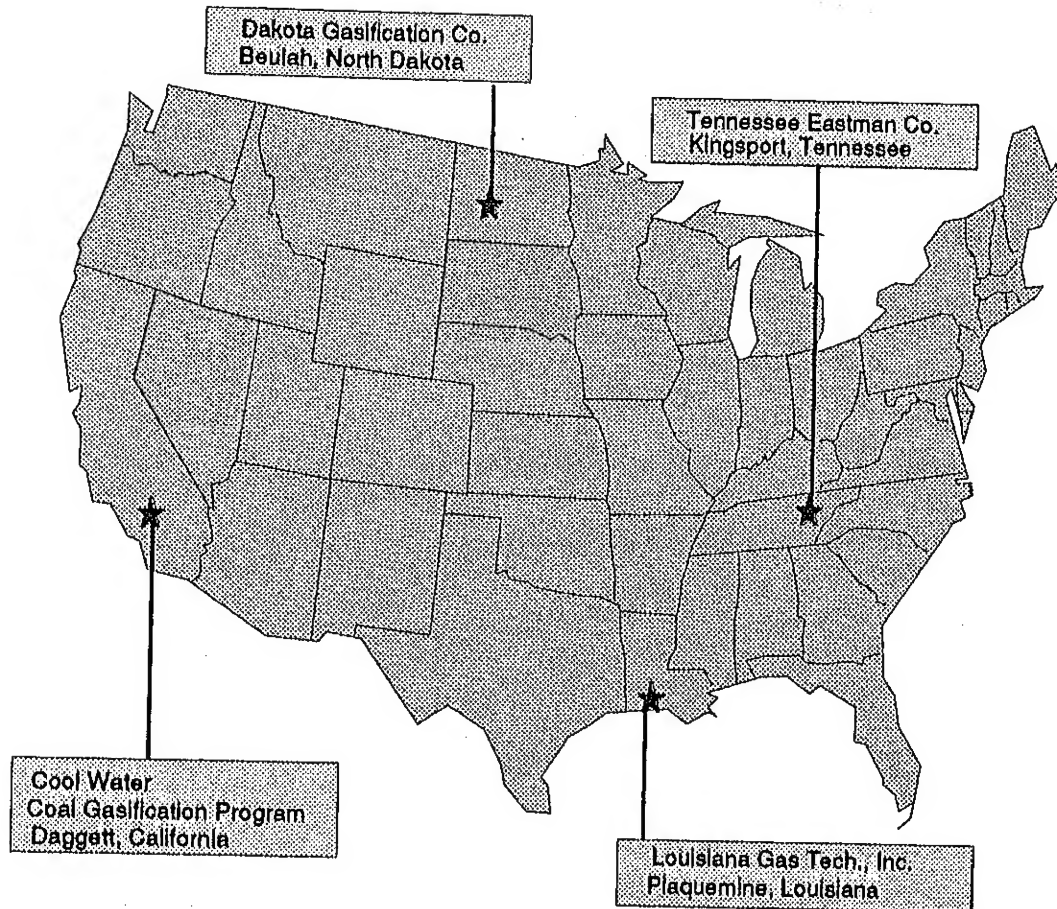
<sup>1</sup>Includes subbituminous coal.

Notes: All data are preliminary. Totals may not equal sum of components due to independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

## Coal Highlight

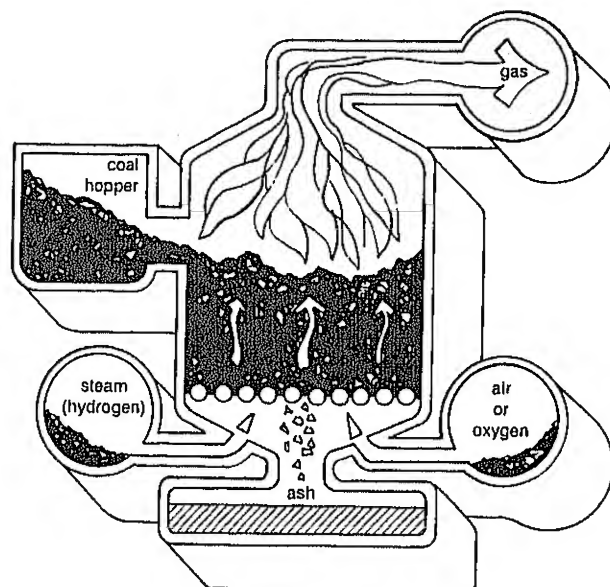
### U.S. Coal Gasification Plants, 1990



There are three operating coal gasification plants in the United States plus the Cool Water plant, scheduled to resume operation in 1991. In 1988, these four plants consumed 6.7 million short tons of coal. The largest of the four is the Dakota Gasification Company's plant (formerly, the Great Plains project). Their products are as follows:

<u>NAME</u>	<u>END PRODUCT</u>
Dakota Gasification Co.	Natural Gas
Louisiana Gas Tech., Inc.	Electricity/Steam
Cool Water Coal Gasification Program	Electricity
Tennessee Eastman Co.	Chemicals

## Coal Gasification Process

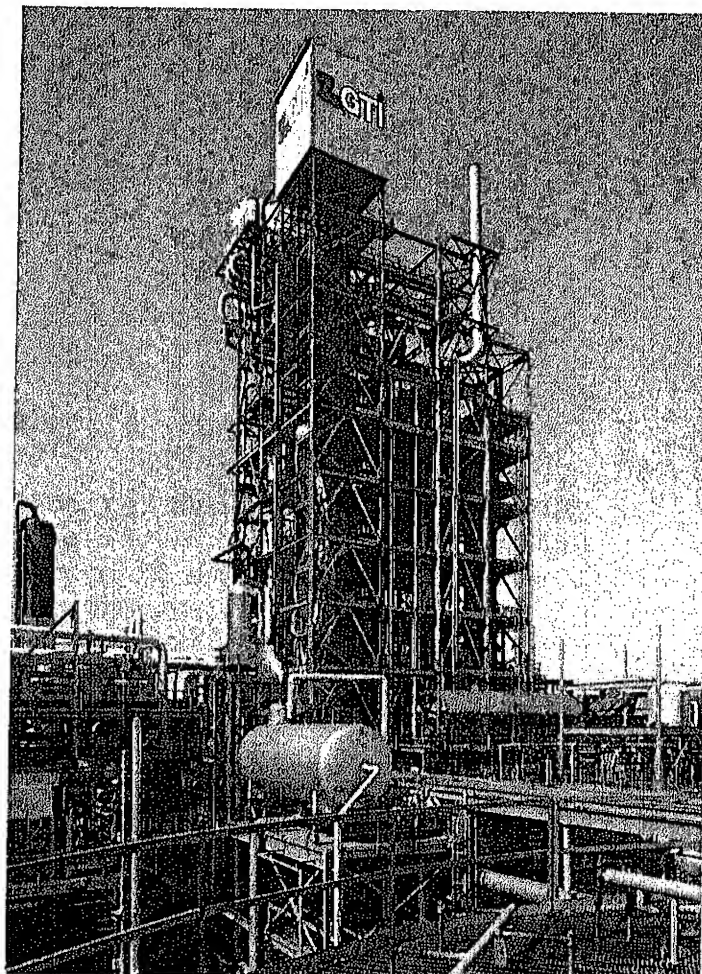


The basic principles of coal gasification involve heating the coal under pressure and in the presence of steam and air or oxygen. The chemical bonds of coal break apart under these conditions, and a synthetic gas is formed.

Source: U.S. Department of Energy, *A Fossil Energy Fact Sheet, Gas From Coal*, DOE/FE-0007 (Oakridge, TN, June 1980).

The Syngas plant at Plaquemine, Louisiana, is the newest U.S. coal gasification plant. Built by Destec Energy, Incorporated, the plant uses an integrated combined-cycle generation system that produces both gas and steam. The gas is used as fuel in a gas turbine generator. Steam produced from waste heat is used in a steam turbine generator.

The combined electrical generation totals 160 megawatts. The plant, which consumes 2,400 short tons of coal per day, can produce 30 billion Btu of medium-Btu gas per day at full capacity.



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